

Midland and Fee Fee Creek Watershed Analysis

City of Maryland Heights, Missouri

The City of Maryland Heights desired baseline geomorphic data to serve as the basis for all of their stormwater management decisions. Intuition & Logic evaluated over 20 miles of stream in the Midland and Fee Fee Creek Watersheds. Tasks included the collection and analysis of geomechanical data, diagnosis of dominant process driving instability by stream reach, conceptual design of stream and stream bank stabilization structures using Natural Channel Design methods, project cost opinions and project prioritization.

Since 1995, Intuition & Logic has designed or strongly influenced nearly every open channel stormwater project in the City. The designs included in-stream structures such as rock grade controls and extensive use of soil bioengineering for stream bank stabilization. As part of the project approach, we developed a process to rapidly evaluate the stability of the City's stream banks. Intuition & Logic also designed over 40 of the Watershed Master plan projects as the lead design firm or part of a design team and provided on-site construction support for many of these designs.

